

Converting Colors

$Y_{xy}(20.1717, 0.2857, 0.3850)$

Have a look what the booklet for
Yxy(20.1717, 0.2857, 0.3850)
contains.

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Color

$Y_{xy}(20.2955, 0.2855, 0.3856)$

Conversions

Conversions Part 1

Format	Color
Hex	54876C
RGB	84, 135, 108
RGB Percent	33%, 53%, 42%
CMY	0.6706, 0.4706, 0.5765
CMYK	0.38, 0.00, 0.20, 0.47
HSL	148°, 23%, 43%
HSV	148°, 38%, 53%
XYZ	15.0269, 20.2955, 17.3112
YIQ	116.6730, -21.7290, -19.2090

Conversions

Conversions Part 2

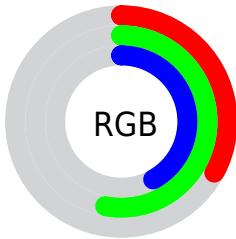
Format	Color
R_{YB}	84, 119, 135
Decimal	5539692
CIE _{Lab}	52.17, -23.47, 9.19
CIE _{LCh}	52, 25.206, 158.626
Yxy	20.2955, 0.2855, 0.3856
Android (android.graphics.Color)	4283729772 (0xFF54876C)
YUV	116.6730, -4.2758, -28.6542
Hunter-Lab	45.0505, -19.2986, 8.7525

Details

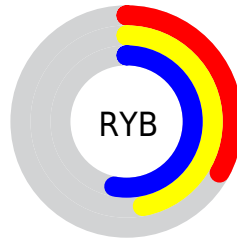
The Yxy color $20.2955, 0.2855, 0.3856$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.6404, 0.3538, 0.2790$, and the grayscale version is $17.7018, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.1326, 0.2927, 0.3733$, and $7.1912, 0.2730, 0.4103$ is the 20% darker color. If you saturate the color by 10%, you get $19.5862, 0.2798, 0.4039$, and if you desaturate by 10%, it is $21.1390, 0.2921, 0.3686$.

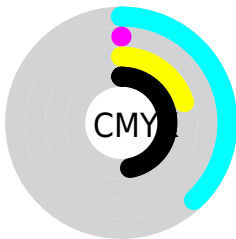
Distribution



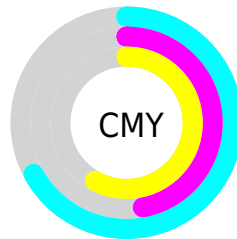
- Red (33%)
- Green (53%)
- Blue (42%)



- Red (33%)
- Yellow (47%)
- Blue (53%)



- Cyan (38%)
- Magenta (0%)
- Yellow (20%)
- Black (47%)





- Cyan (67%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2955, 0.2855, 0.3856 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 20.2955, 0.2855, 0.3856 by changing the saturation by 10% instead.


 20.2955, 0.2855,
0.3856


 20.2955, 0.2855,
0.3856

253.5104, 0.3015,
0.3523


 12.6100, 0.2804,
0.3962


 43.9121, 0.2920,
0.3720


 7.1606, 0.2730,
0.4117


 60.6119, 0.2942,
0.3674


 3.5627, 0.2613,
0.4362

 81.0854, 0.2960,
0.3637

 1.4321, 0.2387,
0.4831

 105.7168, 0.2975,
0.3606

 0.2402, 0.0000,
1.0000

 134.8907, 0.2987,
0.3580

 0.0000, 0.0000,
0.0000

168.9913, 0.2998,

0.3559

208.4030, 0.3007,
0.3540

■ 20.2955, 0.2855,
0.3856

■ 20.2955, 0.2855,
0.3856

■ 19.5862, 0.2798,
0.4039

■ 21.1390, 0.2921,
0.3686

■ 19.0014, 0.2753,
0.4232

■ 22.1210, 0.2992,
0.3530

■ 18.5340, 0.2722,
0.4432


■ 23.2483, 0.3068,
0.3389


■ 18.1751, 0.2709,
0.4634


■ 24.5269, 0.3144,
0.3263


■ 17.9145, 0.2714,
0.4831

■ 25.9623, 0.3221,
0.3151


 17.7309, 0.2735,
0.5020

 27.5595, 0.3296,
0.3052

 17.6933, 0.2739,
0.5061

 29.3237, 0.3368,
0.2965

 31.2596, 0.3438,
0.2888

 33.3717, 0.3505,
0.2821

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.2955, 0.3311, 0.4109



20.2955, 0.2855, 0.3856



20.2955, 0.2490, 0.3418

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.2955, 0.2855, 0.3856



20.2955, 0.2515, 0.2547



20.2955, 0.4034, 0.3494

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.2955, 0.2855, 0.3856



12.6404, 0.3538, 0.2790

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.2955, 0.3791, 0.3125



20.2955, 0.2855, 0.3856



20.2955, 0.2891, 0.2601

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.2955, 0.2855, 0.3856



20.2955, 0.2308, 0.2671



20.2955, 0.3361, 0.2808



20.2955, 0.4009, 0.3845

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.2955, 0.2855, 0.3856



20.2955, 0.2340, 0.3114



20.2955, 0.3361, 0.2808



20.2955, 0.3981, 0.3369

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.2963, 0.2855, 0.3856



40.9007, 0.3041, 0.3437



21.3616, 0.3381, 0.4287



9.4175, 0.3033, 0.3453



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.2963, 0.2855, 0.3856



35.2818, 0.2807, 0.4006



20.9156, 0.2633, 0.3322



5.2385, 0.3057, 0.3407



16.3174, 0.2738, 0.5055



0.0580, 0.2517, 0.4261

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.6404, 0.3538, 0.2790



19.5871, 0.3667, 0.2681



12.1596, 0.3976, 0.3260



4.7269, 0.3203, 0.3176



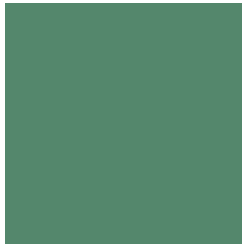
5.1779, 0.4777, 0.2405



0.0194, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 20.2955, 0.2855, 0.3856 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.2955, 0.2855, 0.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

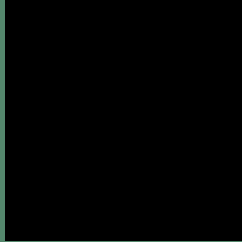
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2955, 0.2855, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 20.2955, 0.2855, 0.3856.



This preview shows how white text looks on a background with the Yxy color 20.2955, 0.2855, 0.3856.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.2955, 0.2855, 0.3856

Protanopia

20.1999, 0.3471, 0.3697

Deuteranopia

19.9168, 0.3496, 0.3433



Tritanopia

20.3798, 0.2618, 0.3095

Trichromacy



Original Color

20.2955, 0.2855, 0.3856

Protanomaly

20.0152, 0.3223, 0.3760

Deuteranomaly

19.7861, 0.3235, 0.3577

Tritanomaly

20.1622, 0.2697, 0.3349

Monochromacy



Original Color

20.2955, 0.2855, 0.3856

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.6335, 0.3011, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2955, 0.2855, 0.3856 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(84, 135, 108)` looks like.

```
.text, #text, p{  
    color:rgb(84, 135, 108)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(84, 135, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 135, 108) }
```

Border

The CSS property to change the border of an element to Yxy 20.2955, 0.2855, 0.3856 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 135, 108) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(84, 135, 108) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(84, 135, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 135, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 135, 108);  
box-shadow:4px 4px 4px 4px rgb(84, 135,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2955, 0.2855, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 135, 108) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(84, 135,  
108) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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